

**BROADBAND DIPOLE ANTENNA TO BE WORN
BY A USER AND ASSOCIATED METHODS**

Abstract of the Disclosure

An antenna includes a dipole feed, a first dipole element connected to and extending outwardly from the dipole feed, a transmission line extending from the dipole feed in an opposite direction, and a flexible electrically conductive sleeve surrounding the transmission line and connected to and extending outwardly from the dipole feed. The electrically conductive sleeve may thus serve as a second dipole element and as a balun for the antenna. The antenna may be removably fastened to a garment of the user by at least one fastener, and the antenna may be connected to a radio also carried by the user. To enhance broadband performance, the dipole feed may include a broadband matching network, and the antenna may include a noise filter coupled to the transmission line adjacent an end of the flexible electrically conductive sleeve opposite the dipole feed.